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LUBRICATING DEVICE OF COUNTER PROPELLER SHAFT SEAL DEVICE

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ABSTRACT

PURPOSE: To simplify the lubricating device of an inner shaft stern side shaft seal device (inner shaft rear part seal device) installed at the rear part of a front propeller, as for a counter propeller vessel.

CONSTITUTION: An inner **shaft** rear part **seal** device 7 is formed of a casing 7a installed at the rear end surface of a front propeller 5 (installed at the rear end part of an outer **shaft** 2) and the **lip** type seals 9-12 which are made of rubber and permit the slide contact between the inside diameter end part installed on the inner periphery of the easing 7a and a liner 8 on the inner **shaft** 1. Further, an emergency pipe 14 opened between the **lip** type seals 11 and 12 is laid on the inner surface of the outer **shaft** 2, and the end part of the pipe 14 is allowed to communicate to the lubricating oil chamber 3a of an outer **shaft** bearing 3 through a valve 15 and an oil hole 20 which penetrates in the longitudinal direction through a liner 16 forming an outer **shaft** front part sealing device 10, and the part in the vicinity of the outer **shaft** front part **seal** device 19 can be made simple.

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